

## REMARKS

Claims 1-23 are pending in the application.

Claims 12-15 are allowed.

Claims 1-7, 10 and 16 are rejected.

Claims 8, 9, 11 and 17-21 are objected to.

Claims 1-7, 10 and 16 are rejected under 35 U.S.C. 102(e).

### *Claim Rejections - 35 U.S.C. § 102*

Claims 1-7, 10 and 16 are rejected under 35 U.S.C. 102(e) as being anticipated by Reed, Jr., US Patent No. 6,421,077 (“Reed”). Applicant traverses this rejection.

Claim 1 recites a sync signal detector to detect the presence of analog television signal synchronization *pulses*. In other words, this element of claim 1 is defined in terms of *what* it detects, namely, synchronization pulses. Reed does not disclose any technique for detecting synchronization pulses.

The Examiner apparently alleges that the sync signal detector recited in claim 1 reads on the synchronous detector 106 shown in Fig. 1 of Reed. However, the word “synchronous” as used in the phrase “synchronous detector” refers to *how* the detector works, not *what* it detects. A synchronous detector is merely a demodulator in which the original signal is recovered by multiplying the modulated signal by the output of a synchronous oscillator locked to the carrier. (See article at [http://www.tvms.net/Tech\\_Articles/Synchronous\\_vs\\_Envelope\\_Detection.htm](http://www.tvms.net/Tech_Articles/Synchronous_vs_Envelope_Detection.htm) titled “Synchronous Vs Envelope Detection” submitted with the accompanying IDS.) Thus, Reed’s synchronous detector does not detect synchronization pulses. In fact, Reed does not seem to mention any type of pulses, much less synchronization pulses.

For at least this reason, claim 1 is not anticipated by Reed, nor are claims 2-7 which depend from claim 1 and recite additional novel features that are not disclosed or suggested by the prior art.

Claim 16 recites detecting analog television synchronization *signals*. As discussed above, although Reed’s synchronous detector may detect signals “synchronously” (how it detects), it does not detect “synchronization signals” (what it detects) as recited in claim 16. For at least this reason, claim 16 is not anticipated by Reed, nor are claims 22-23 which depend from claim 16 and recite additional novel features that are not disclosed or suggested by the prior art.

***Allowable Subject Matter***

Claims 12-15 are allowed.

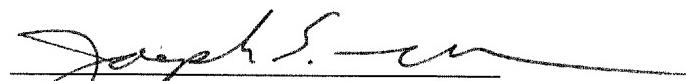
Claims 8-9, 11, and 17-21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. In view of the arguments presented above, the base claims are allowable, and the objection is overcome.

***Conclusion***

Applicant requests reconsideration in view of the foregoing amendments and remarks. The Examiner is encouraged to telephone the undersigned at (503) 222-3613 if it appears that an interview would be helpful in advancing the case.

Respectfully submitted,

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